

SAI KUMAR KOVOURI

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EDUCATION

Masters (CS) - University of Missouri, Columbia, Missouri | GPA 3.9/4.0

Graduated: December 2017

Bachelors (CS&E) - Osmania University, Hyderabad, India | GPA 3.8/4.0

Graduated: May 2013

PROFESSIONAL EXPERIENCE

Advanced Micro Devices | Sr. Application Engineer

Austin, Texas | April 2018 – Present

- Worked on developing a profiling tool to collect data from large performance events using performance monitor counters in CPU.
- Performed and published first of its kind virtualization database benchmark to analyze server performance with AMD CPU.
- Automated performance and configuration tuning using python, shell scripts and wrote java programs to parse large log files.
- Performed, published industry standard virtualization benchmarks which needed tuning all the way from BIOS up to application.

Dish Network | Software Analyst/Developer 1

Englewood, Colorado | January 2018 – April-2018

- Built and maintained a web-based tool using C#, React, Redux and SQL server that helped to manage the training production cycle, training scheduling for customer service agents.

Assessment Resource Center | Graduate Research Assistant

Columbia, Missouri | June 2016 – December 2017

- Programmed performance evaluation tool to assist researchers at the university with tracking goals, objectives and rubrics
- Built course evaluation platform in C# and AngularJS to receive input from students on their professor's performance

Cisco Systems | Software Engineering Intern

San Jose, California | May 2017 – August 2017

- Built a real-time monitoring tool in python to capture and visually display resource utilization in a Hadoop cluster
- Performed a benchmark to analyze server performance running virtualized databases, tuned SUT for better throughput
- Analyzed storage disks yielding low performance by writing fio script and parsed output files using python

NetCracker Technology Solutions | Associate Software Engineer

Hyderabad, India | June 2013 – December 2015

- Developed core modules of AT&T Card Manager in Java/J2EE, integrated it with Billing application using REST service
- Wrote shell scripts to automate production tasks through database interaction
- Built Implementation Plan tool in Java to send task updates during project release, which saved 150 IT hours annually
- Automated weekly defect report by developing a 3-tier interactive defect analysis dashboard in Java, HTML, C3.js
- Handled high priority system critical issues during migration of CAM servers from Convergys to NetCracker

TECHNICAL SKILLS

Programming/ Scripting Languages: Java/J2EE, C#, Python, PHP, JavaScript, Shell Scripting

Platform/Frameworks: Struts, JAX-RS, JAX-WS, AngularJS, ReactJS, Redux, Laravel, Web services

Other skills: Unix, C3.js, MySQL, Postgres, MongoDB, Virtualization, AWS, Docker, SVN, Git, JUnit

ACADEMIC PROJECTS

- Implemented software defined network to intelligently stream videos using OpenFlow controller (*Java, PHP, MySQL, AWS*)
- Developed Neuroscience Gateway portal (cyneuro.org) using PHP Laravel framework, AngularJS, Bootstrap4
- Trained support vector machine to classify ALL and AML cancer type (*Matlab, Python*)
- Analysis and prediction of socio-economic trends in movie industry using decision trees and regression analysis (*R, Python*)
- Developed an Android application, which aimed at finding the possible ways to measure visual acuity errors (*Java, Matlab*)
- Built an Android application at HackMizzou, which gives a complex algebraic expression to solve (*Android SDK, Java*)
- Developed Instant Messenger with RSA encryption, a Java-based application that provides secure instant messaging